OCT 2 2 2007

	DECI	A A	TIC	DN AND PORNEY	Attorney Docket Number	21412Y	
				EORNEY R DESIGN	First Named Inventor	Hardwick, James	
			_	CATION	C	OMPLETE IF KNOWN	
	(3'	7 CF	R 1.6	(3)	Application Number		
X	Declaration			Declaration Submitted after Initial	Filing Date		
	Submitted with Initial Filing	OR		Filing (surcharge (37 CFR 1.16 (e))	Group Art Unit		
				required)	Examiner Name		

As a below named inventor, I hereby declare	that:												
My residence, mailing address, and citizenship	are as state	ed below next to my name.											
I believe I am the original, first and sole invent names are listed below) of the subject matter w	or (if only hich is clai	one name is listed below) or imed and for which a patent is	an original, first and joint is sought on the invention e	nventor (if plural entitled:									
METHOD AND BIOMARKERS FOR DETECT	ING TUM	OR ENDOTHELIAL CELL	PROLIFERATION										
the specification of which		(Title of the Invention)											
bears the Attorney Docket Number and Ti	itle of the I	nvention noted above											
OR is attached hereto													
OR was filed on (MM/DD/YYYY)		as United States Applica	tion Number or PCT Inter	national									
Application Number a	nd was am	ended on (MM/DD/YYYY)		f applicable).									
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as													
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.													
I acknowledge the duty to disclose to the Patent as defined in 37 CFR 1.56, including for continu- the filing date of the prior application and the na	uation-in-p	oart applications, material info	ormation which became av	ailable between									
		er international ming date (n die continuation-in-part	аррисацоп.									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a	U.S.C. 119 application elow, by ch	9(a)-(d) or (f), or 365(b) of an in which designated at least or necking the box, any foreign a	y foreign application(s) for e country other than the Upplication for patent or in-	r patent or inventor's inited States of ventor's certificate(s),									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be	U.S.C. 119 application elow, by ch filing date	9(a)-(d) or (f), or 365(b) of an in which designated at least or necking the box, any foreign a	y foreign application(s) for e country other than the Upplication for patent or in-	r patent or inventor's inited States of ventor's certificate(s), ied. Priority Claimed?									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application	U.S.C. 119 application elow, by ch filing date	9(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date	by foreign application(s) for the country other than the Upplication for patent or into on which priority is claim	r patent or inventor's inited States of ventor's certificate(s), and Priority Claimed?									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application	U.S.C. 119 application elow, by ch filing date	9(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date	by foreign application(s) for the country other than the Upplication for patent or into on which priority is claim	r patent or inventor's inited States of ventor's certificate(s), and Priority Claimed?									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application	U.S.C. 119 application elow, by ch filing date	9(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date	by foreign application(s) for the country other than the Upplication for patent or into on which priority is claim	r patent or inventor's inited States of ventor's certificate(s), and Priority Claimed?									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application	U.S.C. 119 application elow, by ch filing date	9(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date	by foreign application(s) for the country other than the Upplication for patent or into on which priority is claim	r patent or inventor's inited States of ventor's certificate(s), and Priority Claimed?									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application	U.S.C. 119 application elow, by ch filing date	9(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY)	by foreign application(s) for the country other than the Upplication for patent or into on which priority is claim Attorney Docket Numb	r patent or inventor's inited States of ventor's certificate(s), and Priority Claimed?									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application Number(s) Country	U.S.C. 119 application elow, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) clean priority data sheet PTO/Citates provisional application(s) limits the second control of the second	by foreign application(s) for the country other than the Upplication for patent or into on which priority is claim Attorney Docket Numb	r patent or inventor's inited States of ventor's certificate(s), and Priority Claimed?									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application Number(s) Country Additional foreign application numbers are listed	U.S.C. 119 application elow, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) clemental priority data sheet PTO/States provisional application(s) lives the provisional application of the provisional	y foreign application(s) for the country other than the Upplication for patent or into on which priority is claim Attorney Docket Numb (SB/02B attached hereto.)	r patent or inventor's inited States of ventor's certificate(s), red. Priority Claimed? YES NO									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application Number(s) Country Additional foreign application numbers are listed the second of	U.S.C. 119 application elow, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) Lemental priority data sheet PTO/States provisional application(s) is Filing Date (MM/DD/YYYY)	by foreign application(s) for the country other than the Upplication for patent or into on which priority is claim Attorney Docket Numb	r patent or inventor's inited States of ventor's certificate(s), red. Priority Claimed? YES NO									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application Number(s) Country Additional foreign application numbers are listed the second of	u.S.C. 119 application elow, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) Lemental priority data sheet PTO/States provisional application(s) is Filing Date (MM/DD/YYYY)	y foreign application(s) for the country other than the Upplication for patent or into on which priority is claim Attorney Docket Numb SB/02B attached hereto. Sted below. Attorney Dock	r patent or inventor's finited States of ventor's certificate(s), red. Priority Claimed? YES NO									
I hereby claim foreign priority benefits under 35 certificate(s), or 365(a) of any PCT international America, listed below and have also identified be or of any PCT international application having a Prior Foreign Application Number(s) Country Additional foreign application numbers are listed the second of	u.S.C. 119 application elow, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) Lemental priority data sheet PTO/States provisional application(s) is Filing Date (MM/DD/YYYY)	y foreign application(s) for the country other than the Upplication for patent or into on which priority is claim Attorney Docket Numb SB/02B attached hereto. Sted below. Attorney Dock	r patent or inventor's inited States of ventor's certificate(s), red. Priority Claimed? YES NO									

not 2 2 2007

designating is not disclo	im the benefit under the United States of sed in the prior Uni 12, I acknowledge the which became ava	America, ted States he duty to	or PCT inter disclose infe	v and, ins rnational ormation	ofar as applica known	the s tion to m	subje in th ne to	ct matte e mann be mate	er of er pr erial	each of	of the d by the entabi	claims on the first plitty as d	of this paragi lefined	applicates applicate applicates applicates applicates applicates applicates applicate applicates applicates applicates applicates applicates applicate applicates applicate applicates applicates applicates applicates applicates applicate applicates applicates applicates applicates applicates applicate applicates applic	ation
date of this	application.														
	U.S. Parent Application Application Nu		rent 				Filing	g Date YYY)					Patent application	Number	
					·										
	•	*							•						
										1					
Addition	nal U.S. or PCT intern	ational app	lication numb	ers are lis	ted on a	supp	leme	ntal prior	ity d	ata she	et PTC)/SB/02F	3 attac	hed here	eto.
		Practitions OR		ion and to	transact	all b	ousine	ess in the	Unit						
	Name		Regist					N	lame				П		tration
		ber	\neg									Nun	nber		
			\dashv								├				
													<u> </u>		
					_								<u> </u>		
		l											<u> </u>	<i>-</i>	
Direct all co	rrespondence to: X	Custon	ner Number	000)210	\rfloor									
Name	Patricia L. Chisholi	n													
Address	Merck & Co., Inc	Patent D	epartment						-						
Address	P.O. Box 2000, R	Y60-30										, .			
City	Rahway				State		NJ	٠,	Z	ΊΡ		07065-	.0907		
Country	USA		Telep	ohone (732)594	l-57:	38		F	ax		(732)5	94-47	20	
belief are bel the like so m	lare that all statement lieved to be true; and lade are punishable to lize the validity of the	d further they fine or	hat these star imprisonmer	tements v	vere ma	de w 18	vith t	he knov	vledg	ge that	willfi	ıl false	staten	nents an	nd
Name of Sole o	or First Inventor:					4 pe	etition	n has be	en fi	iled for	r this	unsigne	d inv	entor	
Gi					F	am	ily Na	me o	r Surna	ime					
James —————			Haro	lwic	k										
Inventor's Signature /	Names	1					Da	te							
Residence: City	Princeton Jct.	,	State	NJ	C	unf	try	USA			Citiz	enship	us		
Mailing Address	Merck & Co	o., Inc. P.	O. Box 2000)											
City	Rahway		State	e N	IJ	ZIP	07	065-09	907	Cou	ntry	U.S.A			
X Additional	inventors are being n	emental A	dditional	Inve	entors	(s) sheet	(s) P	TO/SB	/02A a	ttached 1	hereto				

OCT 2 2 2007

DECLARATION AND POWER OF ATTORNEY

Name-of-Addition		·····			A-peti	tion-	has-be	en-filed-	for thi	s-unsigne	d-inv	entor-		
Give	n Na	ame (first and middle [it	f any])						Fa	mily N	ame o	or Surnar	ne	
Hongyue						Dai								
Inventor's Signature										Date				
Residence: City	Bot	hell	State	WA		C	ountry	, U	SA		Citi	zenship	CN	
Mailing Address		Merck & Co., Inc. P.O. 1	Box 200	0										
City		Rahway		s	tate	NJ		ZIP	0706	5-0907		Countr	y t	J.S.A.
Name of Addition	nal J	oint Inventor, if any:					A petit	tion	has bee	en filed	for thi	s unsigned	i inv	entor
Give	n Na	nme (first and middle [if	any])						Fa	mily N	ame c	r Surnan	ne	
John R.						Lam	ab							
Inventor's Signature										Date				
Residence: City	State	WA		C	ountry	US	SA		Citiz	zenship	GB			
Mailing Address	3ox 200	0												
City					ite N	J	ZI	IP	07065-	0907		Countr	y l	J.S.A.
Name of Addition	al Jo	oint Inventor, if any:			[A petit	ion l	has bee	n filed f	or this	unsigned	linv	entor
Give	n Na	me (first and middle [if	any])	-						mily Na	ame o	r Surnam	ie	
Laura				•		Sepp	p-Loren	zino						
Inventor's Signature										Date				
Residence: City	Jenk	intown	State	PA		Co	ountry	us	A		Citiz	enship	US	
Mailing Address		Merck & Co., Inc. P.O. E	Box 2000	D 										
City		Rahway			St	ate	NJ	Z	ZIP 07	065-09	07	Country	, ι	J.S.A.
		int Inventor, if any:			[A petiti	ion l	nas bee	n filed f	or this	unsigned	inve	entor
	ı Na	me (first and middle [if	any])						Far	nily Na	me o	Surnam	e	
Michael E.						Seve	rino							
Inventor's Signature										Date				
Residence: Westlake				CA		Co	ountry	us	A		Citiz	enship	JS	
Mailing Address	failing Merck & Co. Inc. P.O. B)										
City		Rahway			St	ate	NJ		ZIP	07065	-0907	Coun	try	U.S.A.

										_				
Name-of-Addition	nal-J	oint-Inventor, if-any:			—-[A-peti	tion-h	as-be	en-filed-	for this	unsigned	inv	entor	
Give	n N	ame (first and middle [in	f any])					Fa	mily N	ame or	Surnam	e e		
Chunsheng					. 2	Zhang								
Inventor's Signature									Date					
Residence: City	Bot	hell	State	WA		Country	US	A		Citize	enship	CN		
Mailing Address		Merck & Co., Inc. P.O.	Box 200	0										
City		Rahway			Sta	ate NJ		ZIP	07065-	0907	Count	ry	U.S.A.	
		oint Inventor, if any:				A petit	tion h	as bee	n filed i	for this	unsigned	inve	entor	
Give	n Na	ame (first and middle [if	any])					Fa	mily N	ame or	Surnam	е		
Inventor's Signature									Date					
Residence: City	City Mailing					Country				Citize	enship		***************************************	
Mailing Address														
City					State		Z	IP			Countr	ту		
Name of Addition	al J	oint Inventor, if any:				A petit	ion ha	as bee	n filed f	or this ı	ınsigned	inve	entor	
Give	n Na	ime (first and middle [if	any])				-	Fa	mily Na	me or	Surname	e ·		
Inventor's Signature					1_				Date					
Residence: City			State			Country				Citize	nship			
Mailing Address														
City					State		ZIP				Country	,		
Name of Addition	al Jo	oint Inventor, if any:				A petiti	ion ha	as bee	n filed fo	or this u	insigned i	inve	ntor	
Giver	ı Na	me (first and middle [if	any])		-			Far	nily Na	me or	Surname	:		
Inventor's Signature							Date					•		
Residence: City						Country				Citize	nship	-		
Mailing Address											I			
ity				St	ate		ZIP				Countr	y		
												_		

OCT 2 2 2007 DECLARATION AND POMES OF ATTORNEY THE ITY OR DESIGN 21412Y **Attorney Docket Number** Hardwick, James E First Named Inventor FOR UTILITY OR DESIGN COMPLETE IF KNOWN PATENT APPLICATION (37 CFR 1.63) Application Number Declaration Submitted Declaration Filing Date X Submitted after Initial OR with Initial Filing (surcharge Group Art Unit Filing (37 CFR 1.16 (e)) required) Examiner Name

	, , , , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	declare that:		•							
My residence, mailing addre	ess, and citi	zenship are as state	d below next to my name.								
			one name is listed below) or a med and for which a patent is								
METHOD AND BIOMARKI	ERS FOR D	ETECTING TUM	OR ENDOTHELIAL CELL	PROLIFERATION							
the specification of which		(Title of the Invention)								
bears the Attorney Doo	ket Numbe	r and Title of the Ir	nvention noted above								
OR is attached hereto OR											
was filed on (MM/DD/	YYYY) [as United States Applica	tion Number or PCT In	ternational						
Application Number	*** *	and was ame	ended on (MM/DD/YYYY)		(if applicable).						
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.											
amended by any amendment	specifically	referred to above.									
as defined in 37 CFR 1.56, in	ncluding for	r continuation-in-p	mark Office all information k art applications, material info CT international filing date o	rmation which became	available between						
I hereby claim foreign priority			(a)-(d) or (f), or 365(b) of an which designated at least on								
America, listed below and have or of any PCT international approximation of the second	ve also iden	tified below, by ch	ecking the box, any foreign a	pplication for patent or	inventor's certificate(s),						
America, listed below and have	ve also iden pplication h	tified below, by ch	ecking the box, any foreign a	pplication for patent or	inventor's certificate(s), simed. Priority Claimed?						
America, listed below and have or of any PCT international apprior Foreign Application	ve also iden pplication h	tified below, by chaving a filing date	ecking the box, any foreign a before that of the application Foreign Filing Date	pplication for patent or on which priority is cla	inventor's certificate(s), simed. Priority Claimed?						
America, listed below and have or of any PCT international apprior Foreign Application	ve also iden pplication h	tified below, by chaving a filing date	ecking the box, any foreign a before that of the application Foreign Filing Date	pplication for patent or on which priority is cla	inventor's certificate(s), simed. Priority Claimed?						
America, listed below and have or of any PCT international apprior Foreign Application	ve also iden pplication h	tified below, by chaving a filing date	ecking the box, any foreign a before that of the application Foreign Filing Date	pplication for patent or on which priority is cla	inventor's certificate(s), simed. Priority Claimed?						
America, listed below and have or of any PCT international apprior Foreign Application	ve also iden pplication h	tified below, by chaving a filing date	ecking the box, any foreign a before that of the application Foreign Filing Date	pplication for patent or on which priority is cla	inventor's certificate(s), simed. Priority Claimed?						
America, listed below and have or of any PCT international a Prior Foreign Application Number(s)	ve also iden pplication h	tified below, by cheaving a filing date	ecking the box, any foreign a before that of the application Foreign Filing Date	pplication for patent or on which priority is cla Attorney Docket Nur	inventor's certificate(s), simed. Priority Claimed?						
America, listed below and have or of any PCT international at Prior Foreign Application Number(s) Additional foreign application	ve also iden pplication h	tified below, by cheaving a filing date Country s are listed on a supplementary	ecking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) emental priority data sheet PTO/ tates provisional application(s) li	pplication for patent or on which priority is cla Attorney Docket Nur SB/02B attached hereto.	inventor's certificate(s), simed. Priority Claimed?						
America, listed below and have or of any PCT international at Prior Foreign Application Number(s) Additional foreign application	ve also iden pplication h	tified below, by cheaving a filing date Country s are listed on a supplementary	ecking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) emental priority data sheet PTO/	Attorney Docket Nur SB/02B attached hereto.	inventor's certificate(s), simed. Priority Claimed?						
America, listed below and have or of any PCT international at Prior Foreign Application Number(s) Additional foreign application I hereby claim the benefit under	ve also iden pplication h	tified below, by cheaving a filing date Country s are listed on a supplementary	ecking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) emental priority data sheet PTO/ tates provisional application(s) li Filing Date (MM/DD/YYYY)	Attorney Docket Nur SB/02B attached hereto.	inventor's certificate(s), simed. Priority Claimed? YES NO						
America, listed below and have or of any PCT international at Prior Foreign Application Number(s) Additional foreign application I hereby claim the benefit under	ve also iden pplication h	tified below, by cheaving a filing date Country s are listed on a supple 19(e) of any United S	ecking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) emental priority data sheet PTO/ tates provisional application(s) li Filing Date (MM/DD/YYYY)	Attorney Docket Number of SB/02B attached hereto.	inventor's certificate(s), simed. Priority Claimed? YES NO						
America, listed below and have or of any PCT international at Prior Foreign Application Number(s) Additional foreign application I hereby claim the benefit under	ve also iden pplication h	tified below, by cheaving a filing date Country s are listed on a supple 19(e) of any United S	ecking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) emental priority data sheet PTO/ tates provisional application(s) li Filing Date (MM/DD/YYYY)	Attorney Docket Number of SB/02B attached hereto.	inventor's certificate(s), simed. Priority Claimed? YES NO						

designating is not disclo 35 U.S.C. 1	im the benefit under the United States of sed in the prior Uni 12, I acknowledge to which became aver application.	f America, li ited States or he duty to di	isted below r PCT inte isclose info	w and, ins rnational formation	sofar a l appli l know	as the ication	subje n in th me to	ct matter ne manne be mater	r of each or or provide rial to pate	of the d by t entabi	claims of he first pa ility as de	this aragra fined	application aph of I in	n.
	U.S. Parent Application Application N		it				t Filing			-	Parent P	atent		
	Cappinomen	Misci				1174	120201	111,				·	<i>510,</i>	
								<u> </u>						
														
	nal U.S. or PCT intern													
As a named in following reging connected the		oint, respective to prosecute the Practitioners OR Registered pr	this applicat Associated	tion and to	Custon	act all	busine	ess in the l	with full p United Sta	tes Pat	of substitutent and Tr	ion a	nd revocation, ark Office	the
	Name			tration nber				Ni	ame				Registration Number	
													A 1Makey Fa	
										•				,

Direct all cor	rrespondence to: X	Custome	r Number	000)21()								
Name	Patricia L. Chisholi	n												
Address	Merck & Co., Inc	· Patent Dep	artment											
Address	P.O. Box 2000, R	Y60-30										.=		
City	Rahway				Sta	te	NJ		ZIP		07065-0	907		
Country	USA		Telej	phone ((732)5	94-57	738		Fax		(732)594	I-472	20	
belief are bel the like so ma	are that all statement ieved to be true; and ade are punishable be the validity of the	d further that by fine or im	it these stat	tements v	were n	nade v der 18	with th	he knowl	ledge that	willfu	ul false st	atem	ents and	
Name of Sole o	r First Inventor:] A p	etition	n has bee	n filed fo	r this	unsigned	inve	ntor	
	ven Name (first an	id middle [-		•	Fa	amily Na	ıme o	r Surnan	ne			
nventor's				Ha	ardwid	ck 	— Т							
Signature									Date					U
Residence: City	Princeton Jct.		State	NJ		Coun	ıtry	USA		Citiz	enship	us		
Mailing Address	Merck & Co)., Inc. P.O.	Box 2000)										
City	Rahway				Sta	ate N	11	ZIP	07065-09	907	Count	ry	U.S.A.	
Additional	inventors are being na	amed on the_	supple	emental A	ddition	nal Inv	entors	(s) sheet(s	s) PTO/SB	/02A a	ttached he	reto.		

<u>OCT 2 2 2007</u>

DECLARATION AND POWER OF ATTECRNEY

Name of Additio	nal J	oint Inventor, if any:	l		[A p	etitio	n has be	een filed	for th	is unsigne	d in	ventor
Give	en Na	ame (first and middle [in	f any])					F	amily N	Jame (or Surnai	me	
Hongyue		4.1				Dai							
Inventor's Signature	1	Horse	<u>\</u>) <u> </u>	J				Date	4	[//.	دو. د	5
Residence: City	Bot	hell	State	WA		Coun	try [JSA		Citi	zenship	CN	
Mailing Address		Merck & Co., Inc. P.O. l	Box 200	00									
City		Rahway		St	tate	۷J	ZI	P 070	65-0907		Countr	y	J.S.A.
Name of Additio	nal J	oint Inventor, if any:				Ар	etition	n has be	en filed	for thi	s unsigne	d inv	ventor
Give	n Na	me (first and middle [if	any])					F	amily N	ame o	or Surnar	ne	
John R.]]	Lamb							
Inventor's Signature									Date				
Residence: City	City Mailing					Count	ry L	JSA		Citi	zenship	GB	
Mailing Address	Merck & Co., Inc. P.O. I	3ox 200	0										
City	ddress				te NJ		ZIP	07065	-0907		Countr	y	U.S.A.
Name of Addition	nal Jo	oint Inventor, if any:				Ape	tition	has be	en filed	for this	unsigne	d inv	entor
	n Na	me (first and middle [if	any])			· · · · <u></u>			mily N	ame o	r Surnan	ne	
Laura					S	Sepp-Loi	enzin	10					
Inventor's Signature									Date				
Residence: City	Jenk	intown	State	PA		Count	ry U	ISA		Citiz	enship	US	
Mailing Address		Merck & Co., Inc. P.O. B	Box 200	0									
City	į	Rahway			Sta	ate NJ		ZIP 0	7065-09	07	Countr	y [J.S.A.
		int Inventor, if any:				A pe	tition	has bee	en filed f	or this	unsigned	l inv	entor
	n Na	me (first and middle [if	any])					Fa	mily Na	ame o	r Surnam	ne	
Michael E.					s	everino							
Inventor's Signature							Date						
Residence: Westlake				CA		Count	r y U	SA		Citiz	enship	US	
Mailing Address													
City]	Rahway			Sta	ite NJ		ZIP	07065	-0907	Cour	ıtry	U.S.A.
											-		

OCT 2 2 2007

DECLARATION AND POWER OF ATTORNEY

Name of Additiona				A petit	tion h	nas bee	en filed t	for this	unsigneo	inv	entor		
Given	Na	me (first and middle [if	any])					Fa	mily N	ame or	Surnan	ne	
Chunsheng					2	Zhang							
Inventor's Signature			•						Date				
Residence: E	Both	ell	State	WA		Country	US.	A		Citize	enship	CN	
Mailing Address		Merck & Co., Inc. P.O. I	3ox 200	0									
City		Rahway			St	ate NJ		ZIP	07065-	0907	Count	ry	U.S.A.
Name of Additiona	ıl Jo	int Inventor, if any:				A petit	ion h	as bee	n filed f	or this	unsigned	inv	entor
Given	Na	me (first and middle [if	any])					Fa	mily Na	ame or	Surnam	e	
Inventor's Signature		-							Date				
Residence: City	State			Country				Citize	enship				
Mailing Address				.									
City					State		Z	IP			Count	гу	
Name of Additiona	l Jo	int Inventor, if any:				A petiti	ion h	as bee	n filed f	or this ι	ınsigned	inv	entor
Given	Nar	me (first and middle [if	any])					Far	nily Na	me or	Surnam	e	
Inventor's Signature									Date				
Residence: City			State			Country				Citize	nship		
Mailing Address													
City		-			State		ZIP				Country	y	
		int Inventor, if any:				A petiti	on ha				nsigned		entor
Given	Nar	ne (first and middle [if	any])					Fan	nily Na	me or	Surnam	e	
Inventor's Signature]	Date						
Residence: City						Country				Citize	nship		
Mailing Address			_										
City				St	ate		ZIP				Count	у	

DECLARAT		Atte	orney Docket Number	21412Y									
POWER OF A FOR UTILITY (TTORMEN E OR DESIGN	4 Firs	st Named Inventor	Hardwick, James									
PATENT APP	LICATION	<u>T</u>	CO	MPLETE IF KNOWN									
(37 CFR 1	1 - 2 7	uu 🏄	olication Number										
Declaration Submitted	Declaration Submitted in Ann	Filiz	ng Date										
with Initial OR Filing	Filing (surcharge (37 CFR 1.16 (e)) required)	Gro	up Art Unit		7								
	roquirou	Exa	miner Name										
As a below named invento	or, I hereby declare t	hat:											
My residence, mailing addr	· •		ed below next to my name										
I believe I am the original,	first and sole inventor	(if only	one name is listed below)	or an original, first and joint inver nt is sought on the invention entitl	ntor (if plural								
					ea: 								
METHOD AND BIOMARK	ERS FOR DETECTIF	NG TUM	IOR ENDOTHELIAL CE	LL PROLIFERATION									
the specification of which			(Title of the Invention)										
bears the Attorney Docket Number and Title of the Invention noted above OR													
OR is attached hereto													
OR													
was filed on (MM/DD				lication Number or PCT Internation	onal								
Application Number			tended on (MM/DD/YYY	Y) (if apped specification, including the claim	plicable).								
amended by any amendment	t specifically referred	to above	tents of the above identific	ed specification, including the claim	ms, as								
as defined in 37 CFR 1.56, i	ncluding for continua	tion-in-p	part applications, material	on known to me to be material to p information which became availab te of the continuation-in-part appl	le between								
				f any foreign application(s) for pat									
certificate(s), or 365(a) of any	y PCT international ap	plication	n which designated at leas	t one country other than the United	d States of								
America, listed below and ha or of any PCT international a	ve also identified belo pplication having a fil	ow, by ch ling date	necking the box, any foreign before that of the applications in the second contract th	gn application for patent or inventorion on which priority is claimed.	or's certificate(s),								
Prior Foreign Application		<u> </u>	Foreign Filing Date		Priority Claimed?								
Number(s)	Country	-	(MM/DD/YYYY)	Attorney Docket Number	YES NO								
	-												
Additional foreign applica	ation numbers are listed o	on a supp	 lemental priority data sheet P	TO/SR/02R attached bereto									
I hereby claim the benefit under													
	Filing Date												
Application Num 50/556,645		3/26/20	(MM/DD/YYYY)	Attorney Docket N	umber								
			, ,,	21412PV									

designating is not disclo 35 U.S.C. 1	the United osed in the place of the land o	lefit under 35 U. I States of Amer prior United States wheeling the duty ecame available in.	rica, list ates or l y to dis	sted belove PCT intended information in the properties of the prop	w and, insernational	nsofar al app n kno	r as the plication own to	e subje on in th me to	ect matter the manner to be mate	er of each of er provide erial to pate	of the o ed by th tentabil	claims of the first p tility as de	f this a paragra efined	application aph of l in	
	U.S. Parent A	Application or PCT plication Number	Parent					nt Filin	ng Date				Patent l	Number	
		Micauva						IVe.	111,				Ψγ	Diej	_
															_
Addition	nal U.S. or I	PCT international	applica	ition num	bers are li	sted (on a sur	pleme	ental prior	ity data she	eet PTC)/SB/02B	attach	ned hereto.	
As a named in following regi connected the	gistered pract	ereby appoint, respectitioner(s) to prose	ecute thi	nis applicated	ation and to	Custo	nsact all tomer Ni	l busine	ness in the	e) with full p United Star 00210	ates Pate	of substituent and To	tion ar	nd revocation, the ark Office	e
	Name				stration mber				N	lame				Registration Number	
							i							Number	
			I												
			I												
Direct all con	rresponden	ce to: X Cus	tomer	Number	000	021	0					•			_
Name	Patricia L.	. Chisholm		<u> </u>											_
Address	Merck & (Co., Inc Paten	t Depa	rtment											
Address	P.O. Box 2	2000, RY60-30	<u> </u>			1									_
City	Rahway					St	tate	NJ		ZIP		07065-0)907		_
	USA)594-57			Fax		(732)59			
belief are beli the like so ma	lieved to be ade are pun	statements mad e true; and furthenishable by fine dity of the applic	er that to or imp	these sta	atements vent, or bot	were th, un	made v	with the	the know	ledge that	t willfu	ul false st	tateme	ents and	
Name of Sole or							Ар	etitio	n has bee	en filed for	r this ı	unsigned	inver	ntor	_
	ven Name	(first and mid	dle [if	any])		그		_	F	amily Na	ime or	r Surnar	ne		_
ames			<u> </u>	Hardwi	ck		r								
Inventor's Signature							-	_		Date	_				
Residence: City	Princeto	n Jct.		State	NJ		Coun	atry	USA		Citiz	enship	us		
Mailing Address	Ме	erck & Co., Inc.	P.O. I	Box 2000	0		_								
City		hway				s	state N	41	ZIP	07065-09	907	Count	try	U.S.A.	_
Additional i	inventors ar	e being named or	ı the	suppl	emental A	.dditi	onal Inv	entors/	s(s) sheet((s) PTO/SB/	/02A a	ttached ho	ereto.		

Inventor's Signature Residence: City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Date Signature Residence: City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Date Apr.: I light, 2005 Residence: City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Date Apr.: I light, 2005 Residence: City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Signature Residence: Inventor's Signature Signature Residence: Ienkintown State PA Country USA Citizenship US City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Sepp-Lorenzino Inventor's Signature Residence: Ienkintown State PA Country USA Citizenship US City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Sepp-Lorenzino Inventor's Signature Residence: Ienkintown State PA Country USA Citizenship US City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Sepp-Lorenzino City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Sepp-Lorenzino City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Sepp-Lorenzino City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Sepp-Lorenzino City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Sepp-Lorenzino City Name of Additional Merck & Co., Inc. P.O. Box 2000							_									
Hongyue Inventor's Signature Residence: City Rahway State State WA Country State NJ ZIP O7065-0907 Country U.S.A. A petition has been filed for this unsigned inventor Family Name or Surname City Mailing Address Merck & Co., Inc. P.O. Box 2000 Address Signature Signature City Rahway State NJ ZIP O7065-0907 Country U.S.A. Date Apr.: 1 14 14 2005 Residence: City Rahway State NJ ZIP O7065-0907 Country U.S.A. Citizenship GB City Mailing Address City Rahway State NJ ZIP O7065-0907 Country U.S.A. Citizenship City Mailing Address City Rahway State NJ ZIP O7065-0907 Country U.S.A. Citizenship Country U.S.A. Citizenship Country U.S.A. City Country U.S.A. City Country U.S.A. Citizenship City City Rahway State City City Rahway State City City Rahway State City City City City City City City Rahway State City City City City City City City City Country City C	Name of Additio	nal J	Joint Inventor, if any:					A pe	titio	n has b	een filed	for thi	s unsigne	d inv	entor	
Inventor's Signature Residence: City Mailing Address City Rahway State Marck & Co., Inc. P.O. Box 2000 A petition has been filed for this unsigned inventor Signature Given Name (first and middle [if anyl) State NJ ZIP 07065-0907 Country U.S.A. Citizenship CN	Give	n N	ame (first and middle [if any])	1					F	amily N	lame o	or Surnai	ne		
Signature Residence: City Rahway State NJ ZIP O7065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: City Rahway State NJ ZIP O7065-0907 Country U.S.A. A petition has been filed for this unsigned inventor Family Name or Surname Lamb Inventor's Signature Residence: City Rahway State NJ ZIP O7065-0907 Country U.S.A. Citizenship CB Apr.: 4 - 4 -	Hongyue						D	Dai								
Mailing Address City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any])	Inventor's Signature										Date					
Address City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Date Apr.	Residence: City	Bot	hell	State	w	A	i	Count	ry (JSA		Citi	zenship	CN		
Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Date A petition has been filed for this unsigned inventor Family Name or Surname Date Apr.; 1 1444, 2005 Residence: City Mailing Address City Rahway State A petition has been filed for this unsigned inventor Family Name or Surname Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Sepp-Lorenzino City Mailing Address City Rahway State PA Country USA Citizenship US Citizenship US City Rahway State A petition has been filed for this unsigned inventor Family Name or Surname Sepp-Lorenzino City Mailing Address City Rahway State A petition has been filed for this unsigned inventor Family Name or Surname Citizenship US Citizenship US Citizenship A petition has been filed for this unsigned inventor Family Name or Surname Sepp-Lorenzino City Mailing Address Date Residence: Westlake State CA Country USA Citizenship US Citizenship US Merck & Co., Inc. P.O. Box 2000 City Mailing Address Merck & Co., Inc. P.O. Box 2000	Mailing Address		Merck & Co., Inc. P.O.	Box 20	00							-				
Given Name (first and middle [if any]) Inventor's Signature Residence: City Mailing Address City Rahway State WA Country USA Citizenship GB City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Residence: City Given Name (first and middle [if any]) State PA Country USA Citizenship US	City		Rahway			State	N.	J	ZI	P 070	65-0907		Countr	y	J.S.A.	
Country Coun	Name of Addition	nal J	oint Inventor, if any:	<u> </u>				A pe	titio	n has be	en filed	for thi	s unsigne	d inv	entor	
Inventor's Signature Residence: Shoreline		n N	ame (first and middle [if any])			4			F	amily N	ame c	r Surnar	ne		
Residence: City Malling Address City Rahway State NJ ZIP O7065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: City Mailing Address Date Sepp-Lorenzino Inventor's Signature Residence: Jenkintown State Merck & Co., Inc. P.O. Box 2000 State NJ ZIP O7065-0907 Country U.S.A. A petition has been filed for this unsigned inventor Sepp-Lorenzino Inventor's Signature Residence: Jenkintown State Merck & Co., Inc. P.O. Box 2000 Address City Rahway State NJ ZIP O7065-0907 Country U.S.A. Citizenship US City Rahway State NJ ZIP O7065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Actional E. Novemor's Signature Residence: Westlake State CA Country USA Citizenship US Citizenship US Citizenship Date	John R.						L	amb			.,					
City Mailing Address Merck & Co., Inc. P.O. Box 2000 City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Laura Sepp-Lorenzino Inventor's Signature Residence: City Jenkintown State PA Country USA Citizenship US Mailing Address City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Sepp-Lorenzino City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Severino Date City Westlake State CA Country USA Citizenship US Mailing Address Merck & Co., Inc. P.O. Box 2000	Inventor's Signature		! IPR	L	1						Date	A	oxil 1	4 <i>}</i> /	, 2005	
Address City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Laura Sepp-Lorenzino Inventor's Signature Residence: City Rahway State PA Country USA Citizenship US Mailing Address City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Michael E. Severino Merck & Co., Inc. P.O. Box 2000 Merck & Co. State NJ ZIP 07065-0907 Country U.S.A. Date Residence: City Rahway State NJ ZIP 07065-0907 Country U.S.A. Date Residence: City Westlake State CA Country USA Citizenship US Mailing Merck & Co., Inc. P.O. Box 2000	Residence: City	State	w.	A		Counti	yL	JSA		Citi	zenship	GB				
Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Laura Sepp-Lorenzino Inventor's Signature Residence: City Mailing Address Vame of Additional Joint Inventor, if any: Given Name (first and middle [if any]) State A petition has been filed for this unsigned inventor USA Citizenship US City Rahway State NJ ZIP 07065-0907 Country U.S.A. A petition has been filed for this unsigned inventor Given Name (first and middle [if any]) Family Name or Surname Michael E. Severino Date Residence: Westlake State CA Country USA Citizenship US Mailing Address Merck & Co., Inc. P.O. Box 2000	Mailing Address	Box 20	00					_								
Given Name (first and middle [if any]) Laura Sepp-Lorenzino Date Residence: City Mailing Address City Rahway State State A petition has been filed for this unsigned inventor Given Name (first and middle [if any]) Given Name (first and middle [if any]) Family Name or Surname City A petition has been filed for this unsigned inventor Given Name (first and middle [if any]) Family Name or Surname Severino Date Residence: Westlake State CA Country USA Citizenship US Citizenship US	City						NJ		ZIP	07065	-0907		Countr	y	J.S.A.	
Sepp-Lorenzino Sepp-Lorenzino Sepp-Lorenzino Sepp-Lorenzino Sepp-Lorenzino Signature Sepp-Lorenzino Signature Sepp-Lorenzino Signature Sepp-Lorenzino Signature State PA								A pet	ition	has be	en filed	for this	unsigne	l inv	entor	·
Inventor's Signature Residence: Jenkintown State PA Country USA Citizenship US Mailing Address City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle [if any]) Family Name or Surname Michael E. Severino Newntor's Signature Residence: Westlake State CA Country USA Citizenship US Mailing Address Merck & Co., Inc. P.O. Box 2000		n Na	ame (first and middle [i	f any])			+				amily N	ame o	r Surnan	ne		
Residence: Jenkintown State PA Country USA Citizenship US Mailing Address City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle [if any]) Family Name or Surname Michael E. Severino Newntor's fignature Residence: Westlake State CA Country USA Citizenship US Mailing Address Merck & Co., Inc. P.O. Box 2000	Laura						Se	pp-Lore	nzin	10		_				
City State PA Country USA Citizenship US Mailing Merck & Co., Inc. P.O. Box 2000 City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle [if any]) Family Name or Surname Michael E. Severino Inventor's Signature Residence: Westlake State CA Country USA Citizenship US Mailing Merck & Co., Inc. P.O. Box 2000 Merck & Co., Inc. P.O	Inventor's Signature										Date					
Address City Rahway State NJ ZIP 07065-0907 Country U.S.A. Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Family Name or Surname Michael E. Severino Noventor's Signature Residence: Westlake State CA Country USA Citizenship US Mailing Merck & Co., Inc. P.O. Box 2000	Residence: City	Jenk	cintown	State	PA			Countr	yU	ISA		Citiz	enship	us		
Name of Additional Joint Inventor, if any: Given Name (first and middle [if any]) Michael E. Residence: City Merck & Co., Inc. P.O. Box 2000 A petition has been filed for this unsigned inventor Family Name or Surname Severino Date Citizenship US Mailing Merck & Co., Inc. P.O. Box 2000	Mailing Address		Merck & Co., Inc. P.O.	Box 200	00											
Given Name (first and middle [if any]) Family Name or Surname Severino Noventor's Signature Residence: City Mailing Merck & Co., Inc. P.O. Box 2000 Merch & Co., Inc. P.O. Box 2000	City		Rahway				Stat	te NJ		ZIP 0	7065-09	07	Countr	y l	J.S.A.	
Michael E. Newtor's Signature Residence: City Merck & Co., Inc. P.O. Box 2000 Merck & Co., Inc. P.O. Box 2000	Name of Addition	al Jo	oint Inventor, if any:					A pet	ition	has be	en filed f	or this	unsigned	inv	entor	
nventor's Signature Residence: Westlake State CA Country USA Citizenship US Mailing Merck & Co., Inc. P.O. Box 2000		n Na	me (first and middle [i	f any])			-			Fa	mily Na	ame o	r Surnam	e		
Residence: Westlake State CA Country USA Citizenship US Mailing Merck & Co., Inc. P.O. Box 2000	Michael E.						Se	verino								
City Westake State CA Country USA Citizenship US Mailing Merck & Co., Inc. P.O. Box 2000 Address	Inventor's Signature										Date					
Address	Residence: Westlake				CA			Countr	yυ	SA		Citiz	enship	US		
City Rahway State NJ ZIP 07065-0907 Country U.S.A.	Mailing Address	ailing Merck & Co., Inc., P.O. Box														
	City		Rahway				Stat	e NJ		ZIP	07065	-0907	Cour	itry	U.S.A.	

ADDITIONAL INVENTOR(S) Supplemental Sheet

		_										
nal J	oint Inventor, if any:			E	A pet	ition l	has be	en filed	for this	unsigne	d in	ventor
n N	ame (first and middle [in	f any])					Fa	mily N	ame or	Surnan	ne	
					Zhang							
								Date				
Bot	hell	State	WA		Countr	y US	SA		Citiz	enship	CN	
	Merck & Co., Inc. P.O.	Box 200	0									
	Rahway		<u></u>	St	ate NJ		ZIP	07065-	0907	Count	try	U.S.A.
nal J	oint Inventor, if any:			Е	A peti	ition l	has bee	n filed i	for this	unsigned	l inv	entor/
n Na	ame (first and middle [if	fany])					Fa	mily N	ame or	Surnan	ne	
	•	· <u></u>		1				Date				
	State				Countr	y			Citize	enship		
				State		Z	ZIP			Count	ry	
					A peti	tion h	nas bee	n filed f	or this	unsigned	linv	entor
n Na	me (first and middle [if	any])		_			Fa	mily Na	ime or	Surnam	ie_	
								Date			<u> </u>	
		State			Country	,	•		Citize	nship		
				State		ZIP	·			Countr	y	
					A petit	tion h	as bee	n filed fo	or this u	ınsigned	inv	entor
n Na	me (first and middle [if	any])					Far	nily Na	me or	Surnam	е	
								Date				
		State			Country				Citize	nship		
		s	tate		ZIP				Count	гу		
	Bot nal Jon Na	Bothell Merck & Co., Inc. P.O. Rahway nal Joint Inventor, if any: n Name (first and middle [if n Name (first and middle [if al Joint Inventor, if any: n Name (first and middle [if	Bothell Bothell Merck & Co., Inc. P.O. Box 200 Rahway nal Joint Inventor, if any: n Name (first and middle [if any]) State State State Al Joint Inventor, if any: n Name (first and middle [if any]) State	Bothell State Merck & Co., Inc. P.O. Box 2000 Rahway nal Joint Inventor, if any: In Name (first and middle [if any]) State State State All Joint Inventor, if any: In Name (first and middle [if any]) State State State State State	Bothell State Merck & Co., Inc. P.O. Box 2000 Rahway State Name (first and middle [if any]) State State	Bothell State WA Country Merck & Co., Inc. P.O. Box 2000 Rahway State NJ nal Joint Inventor, if any: Name (first and middle [if any]) State Country State Country	Bothell State WA Country US Merck & Co., Inc. P.O. Box 2000 Rahway State NJ nal Joint Inventor, if any: State Country State Country State ZIP al Joint Inventor, if any: Name (first and middle [if any]) State Country State Country	Bothell State WA Country USA Merck & Co., Inc. P.O. Box 2000 Rahway State NJ ZIP and Joint Inventor, if any: In Name (first and middle [if any]) State Country State Country State Country State ZIP A petition has been and middle [if any]) Fall Joint Inventor, if any: In Name (first and middle [if any]) State Country State Country	State Country State Country Date	Name (first and middle [if any]) Family Name or	Bothell State WA Country USA Citizenship Merck & Co., Inc. P.O. Box 2000 Rahway State NJ ZIP 07065-0907 Country In Name (first and middle [if any]) State Country Date Date State ZIP Country State ZIP Country Name (first and middle [if any]) Family Name or Surnant Date State ZIP Country Date State ZIP Country Date State Country Date State Country A petition has been filed for this unsigned Family Name or Surnant Date State Country Date State Country Citizenship A petition has been filed for this unsigned for	Part Part

[Page 4 of 4]

	•		. (OCT 2 2 2007	TE for PTO/SB/01 (09-04), DECLAR	Approved for use through 07/31/2006. OMB 0651-0032 ATION FOR UTILITY OR DESIGN PATENT APPLICATION
	DECL	ARA	TIC	NAM BENNEROF	Attorney Docket Number	21412Y
•	POWER	R OF	AT	FORNEY R DESIGN	First Named Inventor	Hardwick, James
	PATEN'	TAP	PLI	CATION	C	OMPLETE IF KNOWN
	(37	CFI	R 1.6	3)	Application Number	
X	Declaration Submitted			Declaration Submitted after Initial	Filing Date	
	with Initial Filing	OR		Filing (surcharge (37 CFR 1.16 (e))	Group Art Unit	
				required)	Examiner Name	

As a below named inventor	r, I hereby declare	that:										
My residence, mailing addre	ess, and citizenship a	are as state	ed below next to my name.									
			one name is listed below) or a med and for which a patent is				ural					
METHOD AND BIOMARKI	ERS FOR DETECTI	ING TUM	OR ENDOTHELIAL CELL	PROLIFERATION								
the specification of which		((Title of the Invention)									
bears the Attorney Doo	ket Number and Tit	le of the I	nvention noted above									
OR is attached hereto												
OR was filed on (MM/DD/YYYY) as United States Application Number or PCT International												
Application Number and was amended on (MM/DD/YYYY) (if applicable).												
I hereby state that I have reveamended by any amendment			tents of the above identified s	pecification, including th	he clair	ns, as						
	-											
I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.												
the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate(s),												
certificate(s), or 365(a) of any	PCT international average also identified bel	application low, by ch	9(a)-(d) or (f), or 365(b) of an n which designated at least on necking the box, any foreign a	y foreign application(s) e country other than the pplication for patent or i	for pate United invento	l States o	of					
certificate(s), or 365(a) of any America, listed below and have	PCT international average also identified bel	application low, by ch	9(a)-(d) or (f), or 365(b) of an n which designated at least on necking the box, any foreign a	y foreign application(s) e country other than the pplication for patent or i	for pate United invento imed.	l States or's certif	of					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international a Prior Foreign Application	PCT international a ve also identified bel pplication having a f	application low, by ch	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date	y foreign application(s) e country other than the pplication for patent or i on which priority is clai	for pate United invento imed.	States (r's certif	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international a Prior Foreign Application	PCT international a ve also identified bel pplication having a f	application low, by ch	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date	y foreign application(s) e country other than the pplication for patent or i on which priority is clai	for pate United invento imed.	States (r's certif	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international a Prior Foreign Application	PCT international a ve also identified bel pplication having a f	application low, by ch	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date	y foreign application(s) e country other than the pplication for patent or i on which priority is clai	for pate United invento imed.	States (r's certif	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international a Prior Foreign Application	PCT international a ve also identified bel pplication having a f	application low, by ch	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date	y foreign application(s) e country other than the pplication for patent or i on which priority is clai	for pate United invento imed.	States (r's certif	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and have or of any PCT international apprior Foreign Application Number(s)	PCT international a ve also identified bel pplication having a f Country	application low, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date	y foreign application(s) e country other than the pplication for patent or i on which priority is clai Attorney Docket Nun	for pate United invento imed.	States (r's certif	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international a Prior Foreign Application Number(s) Additional foreign applica	v PCT international ave also identified bel pplication having a f Country tion numbers are listed	application low, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least on the period of the application of the applicati	y foreign application(s) ee country other than the pplication for patent or i on which priority is clai Attorney Docket Nun SB/02B attached hereto.	for pate United invento imed.	States (r's certif	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international a Prior Foreign Application Number(s) Additional foreign applica	PCT international ave also identified believe also identified believe also identified believe also identified believe also identified as formatty. Country tion numbers are listed as U.S.C. 119(e) of an	application low, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least or necking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY)	y foreign application(s) ee country other than the pplication for patent or i on which priority is clai Attorney Docket Nun SB/02B attached hereto.	for pate United invento imed.	Priority YES	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and have or of any PCT international apprior Foreign Application Number(s) Additional foreign application I hereby claim the benefit under	PCT international ave also identified believe also identified believe also identified believe also identified believe also identified as formatty. Country tion numbers are listed as U.S.C. 119(e) of an	application low, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least on the which designated at least or the period of the application of	y foreign application(s) e country other than the pplication for patent or i on which priority is clai Attorney Docket Nun SB/02B attached hereto. sted below.	for pate United invento imed.	Priority YES	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and havor of any PCT international apprior Foreign Application Number(s) Additional foreign application I hereby claim the benefit under	PCT international ave also identified believe also identified believe also identified believe also identified believe also identified as formatty. Country tion numbers are listed as U.S.C. 119(e) of an	application low, by ch filing date don a supp	P(a)-(d) or (f), or 365(b) of an which designated at least on the which designated at least or the period of the application of	y foreign application(s) e country other than the pplication for patent or i on which priority is clai Attorney Docket Nun SB/02B attached hereto. sted below. Attorney Do	for pate United invento imed.	Priority YES	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and havor of any PCT international apprior Foreign Application Number(s) Additional foreign application I hereby claim the benefit under	PCT international ave also identified believe also identified believe also identified believe also identified believe also identified as formatty. Country tion numbers are listed as U.S.C. 119(e) of an	application low, by ch filing date don a supp	P(a)-(d) or (f), or 365(b) of an which designated at least on the which designated at least or the period of the application of	y foreign application(s) e country other than the pplication for patent or i on which priority is clai Attorney Docket Nun SB/02B attached hereto. sted below. Attorney Do	for pate United invento imed.	Priority YES	of icate(s), Claimed?					

designating is not disclo	the Uni sed in t 12, I ac 6 which	ited States of the prior Uni- knowledge the h became ava	f America, ited States of the duty to	listed or PCT disclos	below T intense inf	w and, incommendation	isofar Il appl n kno	as the lication	subject on in the me to b	t matte manne e mate	er of each of er provide crial to pate	of the od by the centabil	claims of he first p lity as de	f this paragr efinec	raph of
	U.S. Pare	ent Application Application No		ent					nt Filing					Patent applica	Number
		Аррисацоп 141	moer					(IATIA)	י די /עט/	<u>¥ ¥)</u>	-		(6.	тррисс	ше
			,												
Addition	al U.S.	or PCT intern	national app	lication	a num	bers are li	sted o	n a sup	plement	tal prior	ity data she	et PTC)/SB/02B	attac)	hed hereto.
	istered p	oractitioner(s)	to prosecute	e this ap	pplicat	tion and to	o trans	sact all	l busines:	s in the	United Sta				and revocation, the nark Office
			Practitioner OR Registered						umber		00210				
	Nan	ne				tration nber				N	lame				Registration Number
						A. T.A.									A LIMBARY NA
								-							
							\Box								
							\top								
Direct all cor	respon	dence to: X	Custom	ier Nu	mber	000	021	0							
Name	Patricia	a L. Chisholr	m												
Address	Merck	& Co., Inc	· Patent De	:partm	ient				<u> </u>						
Address	P.O. Bo	ox 2000, R	Y60-30										,		
City	Rahwa	у					Sta	ate	NJ		ZIP		07065-0)907	
	USA					phone					Fax		(732)59		
I hereby declibelief are belief the like so may jeopardi	ieved to ade are	o be true; and punishable b	d further th by fine or i	nat thes impriso	se sta onme	atements vent, or bot	were th, un	made nder 18	with the 8 U.S.C	e know	ledge that	willfu	ul false si	tatem	nents and
Name of Sole or] A F	etition	has bee	en filed fo	r this u	unsigned	l inve	ntor
	ven Na	me (first an	ıd middle	[if an	<u> [y]</u>		+			F	amily Na	ime o	r Surnar	me	
ames							H	lardwi	ick			Υ			-
nventor's Signature					ī					Date			т —		
Residence: City	Princ	ceton Jct.		St	tate	NJ		Cou	ntry U	SA		Citiz	enship	us	
Mailing Address		Merck & Co)., Inc. P.(Э. Вох	2001	ס									
City		Rahway					S	tate	NJ	ZIP	07065-0	907	Coun	try	U.S.A.
Additional i	inventor	rs are being na	amed on the	:	suppl	emental A	dditic	onal In	ventors(s	s) sheet((s) PTO/SB	/02A a	ttached h	ereto.	

Name of Additional Joint Inventor, if any:						-E	-A-pet	ition	has be	en filed	for thi	s unsigne	ed-inv	entor -
Give	n N	ame (first and middle [if	f any])			Τ	-		Fa	mily N	ame c	r Surna	me	
Hongyue						D	ai					-		
Inventor's Signature										Date				
Residence: City	Bot	thell	State	WA	4	-	Countr	yU	SA		Citiz	zenship	CN	
Mailing Address		Merck & Co., Inc. P.O. I	Box 200	0										
City		Rahway	_		State	NJ		ZIF	0706	5-0907		Counti	y	J.S.A.
Name of Addition	nal J	oint Inventor, if any:					A pet	ition	has bee	en filed	for this	unsigne	d inv	entor
	n N	ame (first and middle [if	any])			\bot			Fa	mily N	ame o	r Surnai	me	
John R.						La	ımb							
Inventor's Signature										Date				
Residence: City	Sho	oreline	State	WA	Λ		Countr	y U	SA		Citiz	enship	GB	
Mailing Address		Merck & Co., Inc. P.O. I	0											
City		Rahway		St	tate	۷J	Z	ΊР	07065-	0907		Countr	y [J.S.A.
Name of Addition	nal J	oint Inventor, if any:					A peti	ition	has bee	n filed	for this	unsigne	d inv	entor
	n Na	ame (first and middle [if	any])			↓_				mily N	ame o	r Surnar	ne	
Laura						Se	pp-Lore	nzinc) 					
Inventor's Signature		Deceder								Date		04-	Aj	2005
Residence: City	Jenk	kintown	State	PA		•	Country	y US	SA		Citiz	enship	us	
Mailing Address		Merck & Co., Inc. P.O. B	ox 2000	0										
City		Rahway				Stat	e NJ	2	ZIP 07	7065-09	07	Countr	y	J.S.A.
		oint Inventor, if any:					A peti	tion l	has bee	n filed f	or this	unsigne	d inve	entor
	n Na	ame (first and middle [if	any])			-			Fai	mily Na	ime or	Surnan	ne	
Michael E.						Sev	verino				_			
Inventor's Signature										Date				
Residence: City	Wes	tlake	State	CA		C	Country	us	A		Citiz	enship	us	
Mailing Address		Merck & Co., Inc. P.O. B	ox 2000)										
City		Rahway			S	State	e NJ		ZIP	07065	-0907	Cou	ntry	U.S.A.
				_		_								

Name of Addition	nal J	oint-Inventor, if any:			[A peti	ition-l	has-be	en-filed	for this	unsigne	d-in	ventor
Give	n Na	ame (first and middle [i	f any])					Fa	mily N	ame or	Surnai	me	
Chunsheng						Zhang							
Inventor's Signature									Date				
Residence: City	Botl	hell	State	WA		Country	y US	A		Citiz	enship	CN	
Mailing Address		Merck & Co., Inc. P.O.	Box 200	0									
City		Rahway			St	ate NJ		ZIP	07065-	0907	Coun	try	U.S.A.
		oint Inventor, if any:				A peti	tion h	nas bee	n filed	for this	unsigne	d inv	ventor
Give	n Na	me (first and middle [if	fany])			<u>.</u>		Fa	mily N	ame or	Surnar	ne	
Inventor's Signature				· , <u>-</u>	l				Date				
Residence: City				Country	,			Citize	enship				
Mailing Address													
City					State		Z	IP			Count	try	
Name of Addition	al Jo	oint Inventor, if any:			Ε	A petit	ion h	as bee	n filed f	or this	unsigned	l inv	entor
Given	n Na	me (first and middle [if	any])					Fai	mily Na	me or	Surnan	ne	
Inventor's Signature					I				Date				
Residence: City			State			Country		<u>_</u>		Citize	nship	-	
Mailing Address										_			
City					State		ZIP				Countr	y	
		int Inventor, if any:				A petiti	ion ha				insigned		entor
Given	Naı	me (first and middle [if	any])	·· ·				Far	nily Na	me or	Surnam	e	
Inventor's Signature]	Date				
Residence: City	State					Country				Citize	nship		
Mailing Address													
City			St	ate		ZIP				Count	ry		

			-												
NCT	2	7	2009UBST	TUTE	for PTO/SB/01	(09-04)	DECLAR	ATION FOR	UTILITY	OR D	ESIGN F	PATENT	APPL	ICAT	101

	DECL	ARA	TIONANDO	Attorney Docket Number	21412Y
	IOMEN	OI.	ATTORNEY OR DESIGN	First Named Inventor	Hardwick, James
			PLICATION	CO	OMPLETE IF KNOWN
			R 1.63)	Application Number	
X	Declaration Submitted		Declaration Submitted after Initial	Filing Date	
	with Initial Filing	OR	· Filing (surcharge (37 CFR 1.16 (e))	Group Art Unit	
			required)	Examiner Name	

As a below named inventor	, I hereby declare t	that:										
My residence, mailing addre	ss, and citizenship a	ire as state	ed below next to my name.									
			one name is listed below) or a med and for which a patent is				ural					
METHOD AND BIOMARKE	RS FOR DETECTI	NG TUM	OR ENDOTHELIAL CELL	PROLIFERATION								
the specification of which		(Title of the Invention)									
bears the Attorney Doc	ket Number and Titl	le of the Ir	nvention noted above									
OR is attached hereto												
OR was filed on (MM/DD/YYYY) as United States Application Number or PCT International												
		•			1							
Application Number			ended on (MM/DD/YYYY)	· ····································	,	licable).						
I hereby state that I have revi amended by any amendment			tents of the above identified s	pecification, including t	he clain	ns, as						
as defined in 37 CFR 1.56, in	I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.											
			<u> </u>									
I hereby claim foreign priority certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap	PCT international a ve also identified bel	applicatior low, by ch	P(a)-(d) or (f), or 365(b) of an in which designated at least on lecking the box, any foreign a	y foreign application(s) e country other than the application for patent or	e United invento	l States o	of					
certificate(s), or 365(a) of any America, listed below and have	PCT international a ve also identified bel	applicatior low, by ch	P(a)-(d) or (f), or 365(b) of an in which designated at least on lecking the box, any foreign a	y foreign application(s) e country other than the application for patent or	e United invento simed.	l States o	of icate(s),					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application	PCT international a we also identified bel oplication having a f	applicatior low, by ch	P(a)-(d) or (f), or 365(b) of an in which designated at least on secking the box, any foreign a before that of the application Foreign Filing Date	by foreign application(s) are country other than the application for patent or on which priority is cla	e United invento simed.	States or's certifi Priority (of icate(s),					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application	PCT international a we also identified bel oplication having a f	applicatior low, by ch	P(a)-(d) or (f), or 365(b) of an in which designated at least on secking the box, any foreign a before that of the application Foreign Filing Date	by foreign application(s) are country other than the application for patent or on which priority is cla	e United invento simed.	States or's certifi Priority (of icate(s),					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application	PCT international a we also identified bel oplication having a f	applicatior low, by ch	P(a)-(d) or (f), or 365(b) of an in which designated at least on secking the box, any foreign a before that of the application Foreign Filing Date	by foreign application(s) are country other than the application for patent or on which priority is cla	e United invento simed.	States or's certifi Priority (of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application	PCT international a we also identified bel oplication having a f	applicatior low, by ch	P(a)-(d) or (f), or 365(b) of an in which designated at least on secking the box, any foreign a before that of the application Foreign Filing Date	by foreign application(s) are country other than the application for patent or on which priority is cla	e United invento simed.	States or's certifi Priority (of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application Number(s)	PCT international a ye also identified bel oplication having a f Country	applicatior low, by ch filing date	P(a)-(d) or (f), or 365(b) of an in which designated at least on secking the box, any foreign a before that of the application Foreign Filing Date	y foreign application(s) ne country other than the application for patent or on which priority is cla Attorney Docket Nur	e United invento simed.	States or's certifi Priority (of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application Number(s) Additional foreign application	PCT international a ve also identified bel oplication having a f Country tion numbers are listed	application low, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least on ecking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) demental priority data sheet PTO/	y foreign application(s) he country other than the pplication for patent or on which priority is cla Attorney Docket Nur (SB/02B attached hereto.	e United invento simed.	States or's certifi Priority (of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application Number(s) Additional foreign application	PCT international a ve also identified bel oplication having a f Country tion numbers are listed 35 U.S.C. 119(e) of an	application low, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least on the secking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) demental priority data sheet PTO/	y foreign application(s) he country other than the pplication for patent or on which priority is cla Attorney Docket Nur (SB/02B attached hereto.	e United invento aimed. mber	Priority (YES	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application Number(s) Additional foreign application I hereby claim the benefit under	PCT international a ve also identified bel oplication having a f Country tion numbers are listed 35 U.S.C. 119(e) of an	application low, by ch filing date	P(a)-(d) or (f), or 365(b) of an which designated at least on which designated at least on the secking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) Idemental priority data sheet PTO/States provisional application(s) lifting Date (MM/DD/YYYY)	y foreign application(s) he country other than the application for patent or on which priority is cla Attorney Docket Num SB/02B attached hereto. isted below.	e United invento aimed. mber	Priority (YES	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application Number(s) Additional foreign application I hereby claim the benefit under	PCT international a ve also identified bel oplication having a f Country tion numbers are listed 35 U.S.C. 119(e) of an	application low, by ch filing date don a suppl ny United S	P(a)-(d) or (f), or 365(b) of an which designated at least on which designated at least on the secking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) Idemental priority data sheet PTO/States provisional application(s) lifting Date (MM/DD/YYYY)	y foreign application(s) the country other than the application for patent or on which priority is cla Attorney Docket Num (SB/02B attached hereto.) isted below.	e United invento aimed. mber	Priority (YES	of icate(s), Claimed?					
certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap Prior Foreign Application Number(s) Additional foreign application I hereby claim the benefit under	PCT international a ve also identified bel oplication having a f Country tion numbers are listed 35 U.S.C. 119(e) of an	application low, by ch filing date don a suppl ny United S	P(a)-(d) or (f), or 365(b) of an which designated at least on which designated at least on the secking the box, any foreign a before that of the application Foreign Filing Date (MM/DD/YYYY) Idemental priority data sheet PTO/States provisional application(s) lifting Date (MM/DD/YYYY)	y foreign application(s) the country other than the application for patent or on which priority is cla Attorney Docket Num (SB/02B attached hereto.) isted below.	e United invento aimed. mber	Priority (YES	of icate(s), Claimed?					

designating the designating the designation of the	n the benefit under the United States of ed in the prior Uni 2, I acknowledge t which became av pplication.	America, lated States of the duty to de	listed or PC disclo	l below T inter ose info	vand, in mationa ormation	sofar l appl n knov	as the ication wn to	subje n in th me to	ect matter ne manne be mater	r of each or or provided rial to pate	of the of d by the entabil	claims one first plitty as de	f this aragr efinec	application raph of d in	
	J.S. Parent Application		ent					nt Filing					Patent applica	Number	
	Application N	ımber					(MIM)	/DD/Y	111)			(0)	фрис	ши)	
Additiona	l U.S. or PCT interr	ational appli	icatio	n numb	ers are li	sted o	n a sup	pleme	ntal prior	ty data she	et PTC)/SB/02B	attac	hed hereto.	
As a named in following regis connected ther	ventor, I hereby appositered practitioner(s) ewith:	Practitioner OR	this a	applicat sociated	ion and t	o trans	sact all	busine	ess in the	with full p United Stat	ower o	of substituent and T	ition a raden	and revocation, nark Office	, the
		Registered	practi	Regist		below	'	,						Registration	
	Name			Nun		_			N	ame				Number	
						_									
Direct all corr	respondence to:	Custom	er N	umber	00	021	0								
Name 1	Patricia L. Chishol	m										1//			
Address	Merck & Co., Inc.	- Patent De	parti	ment											
Address	P.O. Box 2000, R	Y60-30						т							
City	Rahway 			Γ.		Sta	ate	NJ		ZIP		07065-	0907		
	USA			<u> </u>	phone					Fax		(732)59			
belief are beli	are that all statement eved to be true; and the are punishable the the validity of the	d further th by fine or i	nat th mpri	ese stat sonmer	tements nt, or bo	were th, ur	made ider 18	with t 3 U.S.	the know	ledge that	willfi	ul false s	taten	nents and	
Name of Sole or	First Inventor:						Aŗ	etitio	n has be	en filed fo	r this	unsigne	inve	entor	
Giv	en Name (first a	nd middle	[if a	iny])					F	amily Na	me o	r Surna	me		
James		· · ·				I	Iardw	ick			r				
Inventor's Signature										Date			1		
Residence: City	Princeton Jct.		S	State	NJ		Cou	ntry	USA		Citiz	enship	US		
Mailing Address	Merck & C	o., Inc. P.0	O. Bo	ox 2000)										
City	Rahway					S	tate	NJ	ZIP	07065-0	907	Cour	itry	U.S.A.	
Additional i	nventors are being	amed on the		_ suppl	emental .	Additi	onal In	ventor	s(s) sheet	(s) PTO/SB	/02A a	ttached l	ereto		

Name of Addition	nal J	oint Inventor, if any:					A pe	titior	n has be	en filed	for this	s unsigne	d inv	entor
Give	n N	ame (first and middle [it	f any])						Fa	mily N	ame o	r Surnan	ne	
Hongyue						D:	ai							
Inventor's Signature										Date				
Residence: City	Bot	hell	State	w	A		Count	ry U	JSA		Citiz	zenship	CN	
Mailing Address		Merck & Co., Inc. P.O.	Box 200	0										
City		Rahway			State	NJ		ZII	P 0706	5-0907		Countr	y U	.S.A.
Name of Addition	nal J	oint Inventor, if any:					A per	tition	has bee	en filed	for this	unsigne	inve	entor
Give	n Na	ame (first and middle [if	any])			\perp			Fa	mily N	ame o	r Surnan	ne	
John R.						La	mp				,			
Inventor's Signature	Shoreline State WA					•				Date				
Residence: City	Sho						Countr	yU	ISA		Citiz	enship	GB	
Mailing Address		Merck & Co., Inc. P.O. I	3ox 200	0										
City		Rahway		s	tate	NJ	2	ZIP	07065-	0907		Countr	y U	.S.A.
Name of Addition	al J	oint Inventor, if any:					A pet	ition	has bee	n filed i	or this	unsigned	linve	entor
Give	n Na	ame (first and middle [if	any])			4				mily Na	ame or	r Surnam	ne	
Laura	1					Se	pp-Lore	nzin	0					
Inventor's Signature										Date				
Residence: City	Jenk	kintown	State	PA		•	Countr	yU	SA		Citiz	enship	us	
Mailing Address		Merck & Co., Inc. P.O. E	30x 200	0										
City	4	Rahway				Stat	e NJ		ZIP 07	7065-09	07	Country	y U	.S.A.
Name of Addition	al Jo	oint Inventor, if any:					A pet	ition	has bee	n filed f	or this	unsigned	inve	ntor
	n Na	me (first and middle [if	any])						Fa	mily Na	ime or	Surnam	e	
Michael E.						Se	verino							
Inventor's Signature	1 ND									Date		_		
Residence: City	Wes	tlake VIs.	State	CA		(Countr	y U	SA		Citiz	enship	US	
Mailing Address		Merck & Co., Inc. P.O. B	ox 2000)										
City		Rahway				Stat	e NJ		ZIP	07065	-0907	Cour	itry	U.S.A.

ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Addition	Name of Additional Joint Inventor, if any:							as bee	n filed i	for this	unsigne	d inv	ventor
Give	n Na	me (first and middle [it	f any])					Fa	mily N	ame or	Surnar	ne	
Chunsheng					2	Zhang							
Inventor's Signature									Date				
Residence: City	Botl	nell	State	WA		Country	USA			Citize	enship	CN	
Mailing Address		Merck & Co., Inc. P.O. l	Box 200	0									
City		Rahway			St	ate NJ	[;	ZIP	07065-	0907	Coun	try	U.S.A.
Name of Addition	nal Je	oint Inventor, if any:				A petit	ion ha	s bee	n filed f	or this	unsigne	d inv	rentor
Give	n Na	me (first and middle [if	any])					Fai	mily Na	ame or	Surnar	ne	
Inventor's Signature					J				Date				
Residence: City	State					Country				Citize	nship		
Mailing Address													
City					State		ZI	P			Count	try	
Name of Addition	al Jo	oint Inventor, if any:				A petit	ion has	s beei	n filed f	or this t	ınsigned	l inv	entor
Given	n Na	me (first and middle [if	any])		-			Far	nily Na	me or	Surnan	ne	
Inventor's Signature									Date				
Residence: City			State			Country				Citize	nship		
Mailing Address													
City					State		ZIP				Countr	у	
		int Inventor, if any:				A petiti	on has		filed fo				entor
Giver	Na:	me (first and middle [if	any])		+			Fan	nily Na	me or	Surnam	ne _	
Inventor's Signature]	Date				
Residence: City	State					Country				Citize	nship		
Mailing Address													
City				St	tate		ZIP				Count	ry	

[Page 4 of 4]

Approved for use through 07/31/2006. OMB 0651-0032

Approved for use through 07/31/2006. OMB 0651-0032

SUBSTITUTE for PTO/SB/01 (09-04), DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

	DECL	ARA	Sec	N AND TORNEY	Attorney Docket Number	21412Y					
į				FÖRNEY R DESIGN	First Named Inventor	Hardwick, James					
				CATION	COMPLETE IF KNOWN						
		CFI			Application Number						
X	Declaration Submitted			Declaration Submitted after Initial	Filing Date						
	with Initial Filing	OR		Filing (surcharge (37 CFR 1.16 (e))	Group Art Unit						
				required)	Examiner Name						

As a below named invento	or, I hereby decla	re that:										
My residence, mailing adda	ess, and citizenshi	p are as state	ed below next to my name.									
			one name is listed below) or a med and for which a patent is	-			lural					
METHOD AND BIOMARK	ERS FOR DETEC	CTING TUM	OR ENDOTHELIAL CELL	PROLIFERATION								
the specification of which		(Title of the Invention)									
bears the Attorney Do	cket Number and	Title of the I	nvention noted above									
OR is attached hereto												
OR was filed on (MM/DD/YYYY) as United States Application Number or PCT International Application Number (if applicable)												
Application Number	Application Number and was amended on (MM/DD/YYYY) (if applicable).											
I hereby state that I have re- amended by any amendmen			tents of the above identified s	pecification, including the	he clain	ns, as						
as defined in 37 CFR 1.56, the filing date of the prior a	including for cont pplication and the	inuation-in-p national or P	mark Office all information k art applications, material info CT international filing date of	ormation which became a of the continuation-in-pa	availabl ırt appli	e betwe	en					
certificate(s), or 365(a) of an America, listed below and ha	y PCT internation ave also identified	al application below, by ch	P(a)-(d) or (f), or 365(b) of an in which designated at least or tecking the box, any foreign a before that of the application	ne country other than the application for patent or	United invento	States	of					
Prior Foreign Application Number(s)	Count	ry	Foreign Filing Date (MM/DD/YYYY)	Attorney Docket Nur	nber	Priority YES	Claimed?					
		- . , , , ,										
Additional foreign applic	ation numbers are li	sted on a suppl	lemental priority data sheet PTO	/SB/02B attached hereto.								
I hereby claim the benefit unde	r 35 U.S.C. 119(e) o	f any United S	tates provisional application(s)	isted below.								
Application Nun	nber(s)		Filing Date (MM/DD/YYYY)	Attorney Docket Number								
0/556,645		03/26/20	004	21412PV								
				4.								

designating t is not disclos 35 U.S.C. 11	m the benefit under the United States of sed in the prior Uni 2, I acknowledge to which became average average.	America, li ted States or he duty to di	sted below PCT interisclose info	vand, ins rnational ormation	ofar a appli know	as the cation vn to i	subje 1 in th me to	ct matter ne manne be mater	of each or provided in the pro	of the of d by the entabil	claims of ne first p lity as de	f this aragr fined	application raph of I in	
	U.S. Parent Application	•	Parent Filing Date (MM/DD/YYYY)					Parent Patent Number (if applicable)						
	Application N			(MM	/DD/X	YYY)			10 4	фриса	wie)			
								-						
	al U.S. or PCT interr									····				
			his applicat	ion and to	transa	act all	busine	ess in the						n, the
	Name	ration aber				N:	ame				Registratio Number	n		
			Турц	inei										
								· · · · · · · · · · · · · · · · · · ·				_	• '	
Direct all cor	respondence to: 2	Custome	r Number	000)21(0					•			
Name	Patricia L. Chishol	m												
Address	Merck & Co., Inc.	- Patent Dep	artment											
Address	P.O. Box 2000, R	Y60-30					· · · · · · ·	, ,						
City	Rahway				Sta	State NJ ZIP			ZIP		07065-0	907		
Country	USA		Tele	phone	(732)5	32)594-5738 Fax					(732)594-4720			
belief are beli the like so ma	I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.													
Name of Sole or	r First Inventor:					A p	etitio	n has bee	en filed fo	r this	unsigned	l inve	entor	
	ven Name (first a	nd middle [if any])		-			F	amily Na	me o	r Surna	me		
James Hardwick														
nventor's ignature					Da				Date					
Residence: City	Princeton Jct.		State	NJ		Cour	ntry	USA		Citizenship US				
Mailing Address	Merck & C	o., Inc. P.O	. Box 200	0										
City	Rahway				St	ate	VJ	ZIP	07065-0	907	Coun	try	U.S.A.	
X Additional	inventors are being n	amed on the_	suppl	emental A	dditio	nal In	ventors	s(s) sheet(s) PTO/SB	/02A a	ttached h	ereto.		

											46.78			
Name of Addition	oint Inventor, if any:			A petition has been filed for this unsigned inventor										
Give	n N	ame (first and middle [i	f any])			Family Name or Surname								
Hongyue			D	Dai										
Inventor's Signature			Date											
Residence: City						Countr	y Us	SA		Citiz	zenship C	N		
Mailing Address		Merck & Co., Inc. P.O.	Box 200	0										
City		Rahway	_	Stat	e N.	J	ZIP	0706	5-0907		Country	U.S.A.		
Name of Addition	nal J	oint Inventor, if any:				A peti	tion	has bee	n filed	for this	unsigned i	nventor		
Give	n Na	ame (first and middle [if	any])		\bot			Fa	mily N	ame or	r Surname			
John R.					L	amb								
Inventor's Signature									Date					
Residence: City	Sho	reline	State	WA		Country	y US	USA		Citizenship GB		В		
Mailing Address		Merck & Co., Inc. P.O. I	3ox 200	ox 2000										
City		Rahway	State N			J ZIP 07065-0907			0907		Country	U.S.A.		
Name of Addition	al J	oint Inventor, if any:	A petition has been filed for this unsigned inventor											
Give	n Na	me (first and middle [if	any])											
Laura					Se	Sepp-Lorenzino								
Inventor's Signature									Date					
Residence: City	Jenk	intown	State PA			Country USA			Citizenship US			3		
Mailing Address		Merck & Co., Inc. P.O. I	30x 200	0										
City		Rahway			Stat	te NJ	2	ZIP 07065-090		Country U.		U.S.A.		
Name of Addition				A petition has been filed for this unsigned inventor						ventor				
Giver	any])			Family Name or Surname										
Michael E.			Se	Severino										
Inventor's Signature							Date							
Residence: City	West	tlake	State	CA		Country USA		A	Citize		zenship US			
Mailing Address		Merck & Co., Inc. P.O. B	ox 2000)										
City Rahway					Stat	te NJ		ZIP	07065	-0907	Countr	y U.S.A.		

Name of Addition	nal J	oint Inventor,				A petition has been filed for this unsigned inventor								
Give	n Na	me (first and	middle [if	any])	any]) Family Name or Surname									
Chunsheng				Zhang										
Inventor's Signature	gnature W 09			-						Date	April 14, 2005			, 2005
Residence: City				State	State WA Country USA					Citizenship CN				
Mailing Address Merck & Co., Inc. P.O. I					0					·		.,		
City	Rahway				Sta	State NJ ZIF			P 07065-0907 C			try	U.S.A.	
Name of Addition	nal J	oint Inventor, i	f any:				A petit	ion h	as bee	n filed f	for this	unsigned	inv	entor
Give	me (first and	middle [if	any])					Fa	mily Na	ame or	Surnan	ne		
Inventor's Signature										Date				
Residence: City				State			Country				Citize	enship		
Mailing Address														
City						State		Z	(P			Count	ry	
Name of Addition				A petition has been filed for this unsigned inventor										
Give	n Na	me (first and	middle [if	fany]) Family Name or Surname										
Inventor's Signature				1						Date				
Residence: City				State			Country			Citizenship				
Mailing Address								· .:						
City						State		ZIP				Countr	y	
Name of Addition				A petition has been filed for this unsigned inventor									entor	
Giver	me (first and i	middle [if	any])	····	\dashv		Family Name or Surname							
Inventor's Signature									Date					
Residence: City				State			Country				Citize	nship		
Mailing Address														
City					S	tate		ZIP				Count	ry	